gentec-eo
PARTNERS for ACCURACY

BA16K-500F-H9-D0

Optical attenuator, 16 mm Ø, up to 500 W. Includes UP19K-110F-H9-D0.

PRODUCT FAMILY KEY FEATURES

NEW: IMPROVED DESIGN

It is now even simpler to install a BA beam sampler into your optical system. The input and output sides on all BA16 models now include an SM1-threaded aperture and four M4-threaded holes compatible with 30-mm cage systems.

MANAGE THE LASER POWER

CMOS sensors have low saturation levels as well as low damage thresholds. It is thus very important that you control your laser power to get the best measurement possible and avoid damaging the BEAMAGE camera.

SAMPLE YOUR LASER BEAM

The BA series optical attenuators use Fresnel reflection on two orthogonal wedges to pick off a small fraction of the input beam. The incoming beam polarization state and irradiance are preserved.

MANY POSSIBLE USES

- Monitor power and beam profile simultaneously
- Polarization insensitive beam-splitter with no back-reflections
- Optical pick-off for use with our energy or power detectors
- Attenuator for our high sensitivity detectors like M6 series and PH series

COMPATIBLE STAND

STAND-S-233

SPECIFICATIONS

MEASUREMENT CAPABILITIES

Spectral range	200 - 2100 nm
Equivalent attenuation	1/1700
Integrated power detector	UP19K-110F-H5-D0
Optical wedges material	UV Fused Silica (uncoated)
Residual beam deviation	5.6°
Polarization correction	Yes (pair of orthogonal wedges)
Fan Input Voltage	12 VDC

DAMAGE THRESHOLDS

Maximum average power density	10 MW/cm²
Maximum energy density	10 J/cm²
Maximum power	500 W

PHYSICAL CHARACTERISTICS

Cooling	Fan
Aperture diameter	16 mm
Dimensions	54H x 54H x 126D mm
Weight	0.46 kg
Mounting thread	SM1
Adaptor included	SM1 external threaded tube

ORDERING INFORMATION

BA16K-500F-H9-D0	203793B

Specifications are subject to change without notice. Refer to the user manual for complete specifications.

INTERESTED IN THIS PRODUCT?

GET A QUOTE

Find your local sales representative at gentec-eo.com/contact-us